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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/657,985	09/08/2000	Yuzhi Qu	458172000100	2666
25226	7590 09/11/2002			
MORRISON & FOERSTER LLP			EXAMINER	
755 PAGE MI PALO ALTO,	CA 94304-1018		HAMLIN, DERRICK G	
			ART UNIT	PAPER NUMBER
			1751	
			DATE MAILED: 09/11/2002	7

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		43~			
		Application No.	pplicant(s)				
	Office Action Summan	09/657,985	QU, YUZHI				
	Office Action Summary	Examiner	Art Unit				
	The MAN DIO DATE of the	Derrick G. Hamlin	1751				
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet	with the correspondence add	ress			
THE - Exte after - If the - If NC - Failu - Any I	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a repl operiod for reply is specified above, the maximum statutory period reto reply within the set or extended period for reply will, by statuting the reply received by the Office later than three months after the mailing adaptent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may ly within the statutory minimum of t will apply and will expire SIX (6) Mo e, cause the application to become	a reply be timely filed hirty (30) days will be considered timely. DNTHS from the mailing date of this com ABANDONED (35 U.S.C. § 133).	nmunication.			
1)⊠	Responsive to communication(s) filed on 08	September 2000 .					
2a)□	•	his action is non-final.					
3)	· · · · · · · · · · · · · · · · · · ·						
Disposit	ion of Claims						
	Claim(s) <u>1-10</u> is/are pending in the applicatio	•					
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.						
6)⊠	☑ Claim(s) <u>1-10</u> is/are rejected.						
7) 🗌	Claim(s) is/are objected to.						
-	Claim(s) are subject to restriction and/o	or election requirement.					
	ion Papers						
	The specification is objected to by the Examine						
10) 🗌	The drawing(s) filed on is/are: a)□ acce	· · · · · ·					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12)☐ The oath or declaration is objected to by the Examiner.							
Priority (under 35 U.S.C. §§ 119 and 120						
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ⊠ None of:							
	1.区 Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
* 5	3. Copies of the certified copies of the price application from the International Bussee the attached detailed Office action for a list	ureau (PCT Rule 17.2(a))).	tage			
14) 🗌 A	Acknowledgment is made of a claim for domest	tic priority under 35 U.S.0	C. § 119(e) (to a provisional a	application).			
_a) The translation of the foreign language pracknowledgment is made of a claim for domes	ovisional application has	been received.	,			
Attachmen		, , ,					
2) Notic	te of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) 4	5) Notice	w Summary (PTO-413) Paper No(s of Informal Patent Application (PTO-				

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 5, 6 and 10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 and 6 recite the limitation of having "a thermal conductivity substantially greater than silver." The scope of "substantially greater" is unascertainable.

Claims 5 and 10 recites the limitation "said monocrystalline silicon" in line 1.

There is insufficient antecedent basis for this limitation in the claim. It appears that claims 5 and 10 should depend from 2 and 7, respectively.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).



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Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-10 are rejected under the judicially created doctrine of double patenting over claim1, 11, 12 and 29 of U. S. Patent No. 6,132.823 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows: a thermally conductive heat transfer layer containing the instantly claimed compounds and method for treating the compounds.

Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Evaluations of level of ordinary skill in the art requires consideration of factors such as various prior art approaches employed, types of problems encountered in the art, rapidity with which innovations are made, sophistication of technology involved,



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educational background of those actively working in the field, commercial success, failure of others, and the inventor's educational level.

The "person having ordinary skill" in this art has the capability of understanding the scientific and engineering principles applicable to the claimed invention. The references of record in this case reasonably reflect this level of skill. In view of the forgoing, the above claims have failed to be patently distinguishable over prior art.

Claims 1 and 5 are rejected under 35 U.S.C. 102(a) as being anticipated by US 4857675 (Marancik et al.) Marancik discloses a super conducting heat transfer cable surface (abstract).

The reference is anticipatory.

Claims 1 and 5 are rejected under 35 U.S.C. 102(a) as being anticipated by US Dowie (US 5450266). Dowie discloses a super conducting heat transfer surface (col. 6, lines 30-35).

The reference is anticipatory.

The remaining references listed on form(s) 892 and 1449 have been reviewed by the examiner and are considered to be cumulative to or less material than the prior art references relied upon in the rejection above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Derrick G. Hamlin whose telephone number is (703) 305-0590. The examiner can normally be reached on Monday-Thursday and alternating Fridays from 8:30 AM - 5:00 PM.



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If reasonable attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Yogendra Gupta, can be reached on (703) 308-4708. The fax phone number for this Group is (703) 872-9310.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0661.

Derrick G. Hamlin

9/9/02

(YOGENDRA N. GUPTA

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 1700